

1 ABSTRACT OF THE INVENTION

2       An apparatus and method of converting flue gases  
3 produced by a fossil fuel burning furnace boiler is  
4 disclosed. The flue gas is separated into its constituent  
5 parts by cooling and filtering. Carbon dioxide, the main  
6 constituent, is then converted to carbon monoxide in a laser  
7 powered gas converter in which carbon is a catalyst. The  
8 laser powered converter also produces hydrogen from steam,  
9 and the two newly produced gases are chemically combined to  
10 produce a hydrocarbon fuel product which can then be burned  
11 in the furnace boiler. In this manner no harmful greenhouse  
12 gases are permitted to escape to the atmosphere.

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